



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER FOR PATENTS
P.O. Box 1450
Alexandria, Virginia 22313-1450
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/774,555	01/31/2001	Mitchell Anthony Delong	7996	4966
23409	7590	05/23/2005	EXAMINER	
MICHAEL BEST & FRIEDRICH, LLP 100 E WISCONSIN AVENUE MILWAUKEE, WI 53202			BADIO, BARBARA P	
			ART UNIT	PAPER NUMBER

1617

DATE MAILED: 05/23/2005

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/774,555

Applicant(s)

DELONG ET AL

Examiner

Barbara P. Badio, Ph.D.

Art Unit

1617

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --
Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-44 is/are pending in the application.
- 4a) Of the above claim(s) 7,9,10,12 and 22-44 is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1-6,8,11 and 13-21 is/are rejected.
- 7) ☐ Claim(s) ____ is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on ____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☐ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)
Paper No(s)/Mail Date ____.
- 4) ☐ Interview Summary (PTO-413)
Paper No(s)/Mail Date. ____.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: ____.

Final Office Action on the Merits

1. The text of those sections of Title 35, U.S. Code not included in this action can be found in a prior Office action.

Status of the Application

2. Claims 1-44 are pending in the present application. Claims 22-44 stand withdrawn without traverse as being drawn to a nonelected invention. Claims 7, 9, 10 and 12 stand withdrawn from further consideration as being drawn to a nonelected species.

Claim Rejections - 35 USC § 112

3. The rejection of claim 15 under 35 USC 112, second paragraph is withdrawn.

Double Patenting

4. The provisional rejection of claims 1-6, 8, 11 and 13-21 under the judicially created doctrine of obviousness-type double patenting over claims of copending Application No. 09/774,557 is maintained.

Applicant argues the instantly claimed compounds differ from those of the above copending application. Attention is drawn to variable "X" of both applications.

Applicant's argument was considered but not persuasive for the following reason.

Art Unit: 1617

Applicant's argument is based on the definition of variable "X" of each application. However, variable X of claim 1 of the present application corresponds to "O-R₂" of structure aa) of copending application '557 (note: each variable is attached to C15 position of the disclosed structure).

Both applications are drawn to a composition comprising similar prostaglandin F analogs. For example, both encompass compounds wherein C15 is substituted with –OH (i.e., **in the present application**, wherein R² is hydrogen and X is OR⁸ wherein R⁸ is hydrogen and '557, wherein R² is hydrogen) and –CH₂O-Z (i.e., **in the present application**, wherein R³ and R⁴ are hydrogen atoms, Y is an oxygen atom and Z is as defined by the present claim 1 and '557, wherein X is –CH₂O- and Z is as defined by claim 1 of the copending application).

For this reason, the provisional rejection of claims 1-6, 8, 11 and 13-21 under the judicially created doctrine of obviousness-type double patenting over claims of copending Application No. 09/774,557 is maintained.

Claim Rejections - 35 USC § 102

5. The rejection of claims 1-6, 8, 11, 13-17 and 19-21 under 35 USC 102(b) over *Wos et al.* (WO 99/12895) is maintained.

Applicant argues there are several differences between the general prostaglandin structure of present claim 1 and that of claim 1 of *Wos*. Applicant also argues the reference fails to anticipate the present application's disclosure of a carrier. Applicant's argument was considered but not persuasive for the following reasons.

Art Unit: 1617

The instant claims are anticipated as stated in the previous Office Action based on the specific compounds discussed by Vos. For example, the reference discloses compositions comprising compounds of examples 20 and 42 (see page 34, Examples B and C). The compounds and compositions exemplified by said examples are encompassed by the instant claims. In addition to the specific carriers exemplified by said examples, Vos discloses numerous carriers such as talc, stearic acid, sesame oil, glycerin, etc. (see for example pages 31-32, Compositions).

Applicant also argues that there are differences in the definitions of variables between the general structure of the present claim 1 and that of claim 1 of Vos. However, the scope of the prior art compounds versus the instantly claimed compounds is irrelevant to the rejection. The claims are anticipated based on the disclosure of specific compounds/compositions that are encompassed by the instant claims.

For these reasons and those given in the previous Office Action, the rejection of claims 1-6, 8, 11, 13-17 and 19-21 under 35 USC 102(b) over Vos et al. (WO 99/12895) is maintained.

Claim Rejections - 35 USC § 103

6. The rejection of claims 1-6, 8, 11 and 13-21 under 35 USC 103(a) over Vos et al. (WO 99/12895) is maintained.

Applicant's argument and the examiner response are as discussed above in #5.

Other Matters

7. It is suggested that the specification be amended to insert reference to the prior application.

Conclusion

8. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Telephone Inquiry

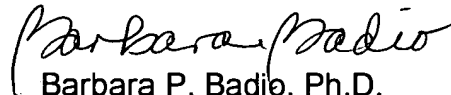
9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Barbara P. Badio, Ph.D. whose telephone number is 571-272-0609. The examiner can normally be reached on M-F from 6:30am-4:00pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sreenivasan Padmanabhan can be reached on 571-272-0629. The fax

Art Unit: 1617

phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Barbara P. Badio, Ph.D.

Primary Examiner

Art Unit 1617

BB

May 18, 2005